

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/004786

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H04L1/18 H04Q7/38 H04Q7/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 H04Q H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/172217 A1 (KADABA SRINIVAS R ET AL) 21 November 2002 (2002-11-21) paragraph '0007! paragraph '0009! - paragraph '0012! paragraph '0024! - paragraph '0027! paragraph '0029! - paragraph '0030! paragraph '0035! - paragraph '0052! paragraph '0076! - paragraph '0090! -----	1-85
X	US 5 914 950 A (TIEDEMANN, JR. ET AL) 22 June 1999 (1999-06-22) cited in the application column 1, line 31 - line 39 column 4, line 60 - column 5, line 15 column 8, line 32 - column 10, line 20 column 12, line 66 - column 13, line 62 column 14, line 17 - column 15, line 30 -----	1-85

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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- \*O\* document referring to an oral disclosure, use, exhibition or other means
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Date of the actual completion of the international search

2 February 2005

Date of mailing of the international search report

14/02/2005

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/US2004/004786

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002172217		A1	21-11-2002	JP 2002369261 A	20-12-2002	
US 5914950	A	22-06-1999	AU 7246698 A		30-10-1998	
			CN 1141850 C		10-03-2004	
			EP 0974237 A2		26-01-2000	
			JP 2001519123 T		16-10-2001	
			TW 391099 B		21-05-2000	
			WO 9845966 A2		15-10-1998	
			US 5923650 A		13-07-1999	
			ZA 9802973 A		13-10-1998	